



WATER MANAGEMENT MONTHLY REPORT

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RESERVOIR OPERATION AND SYSTEM STATUS FOR APRIL 2002

HIGHLIGHTS – Cairo stage began the month at 44.9 feet and ended at 41.5 feet and was rising steadily. Cairo stage crested at 44.8 feet on the 4th of April, a secondary crest to the earlier crest in March. Flood stage is 40 feet.

WEATHER – The weather during April

TEMPERATURE AND PRECIPITATION – APRIL 2002

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	52.7	+2.8	3.05	+0.04
Charleston, WV	57.8	+3.5	4.49	+1.24
Columbus, OH	54.6	+2.6	4.02	+0.77
Cincinnati, OH	55.7	+2.0	5.97	+2.01
Louisville, KY	60.6	+4.2	6.02	+2.11
Indianapolis, IN	54.8	+2.8	5.47	+1.86
Evansville, IN	58.8	+3.30	8.58	+4.10
Nashville, TN	62.0	+3.5	4.31	+0.38

STREAMFLOW -- Ohio River monthly average flows for April ranged from a low of 102

percent of normal at Pittsburgh, PA to a high of 114 percent of normal at Evansville, IN. Daily flows ranged from a low of 50 percent of normal at Pittsburgh, PA and Huntington, WV to a high of 181 percent of normal at Paducah, KY.

The following table presents the flow data summary for March at the Ohio River Index Stations:

FLOW DATA – APRIL 2002

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	59,200	102	161	50
Huntington, WV	142,300	104	180	50
Cincinnati, OH	192,300	108	171	53
Louisville, KY	233,700	111	163	60
Evansville, IN	277,000	114	173	60
Paducah, KY	513,800	110	181	57

RESERVOIRS -- April started with 11.5% utilization of the total system flood control storage and ended the month at 6.6% after reaching a peak of 14.7% on April 2nd. System-wide augmentation storage decreased from 99.7% at the beginning of the month to 99.0% by the end of the month. Significant flood storage utilization in excess of 25% occurred at Woodcock, Union City, East Branch Clarion, and Tionesta projects in the Allegheny River basin, Stonewall Jackson and Tygart in the Monongahela basin, Berlin, Milton and Mosquito Creek in the Beaver River basin, Atwood and Tappan in the Muskingum River basin, Summersville in the Kanawha basin, Yatesville in the Big Sandy basin, Cave Run in the Licking basin, Taylorsville in the Salt basin, Rough River in the Green River basin, CM Harden and Monroe in the Wabash basin and Center Hill in the Cumberland River basin. Two projects stored over 50% of available flood control storage, Berlin in the Beaver basin and Monroe in the Wabash basin. The following table depicts storage change by tributary reservoir subsystem for April:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	+79,700

Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+138,100
Twelvepole-Big Sandy-Little Sandy-Scioto	+27,700
Little Miami-Licking-Mill Creek-Great Miami	-16,300
Kentucky-Salt-Green-Wabash	+156,200
Cumberland	-167,500
TOTAL	+217,900

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